

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:58:55 ON 03 FEB 2005

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:59:04 ON 03 FEB 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2

DICTIONARY FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

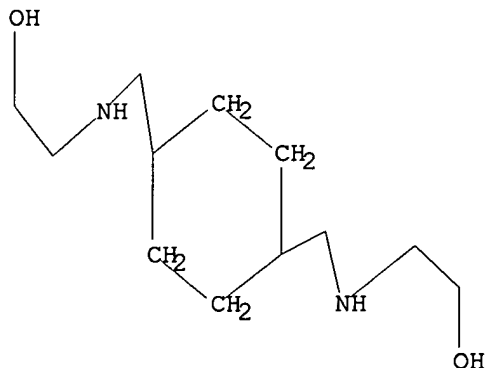
Uploading C:\STNEXP4\1000000.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:59:23 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3484 TO ITERATE

28.7% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 66140 TO 73220  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful  
FULL SEARCH INITIATED 15:59:35 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 68812 TO ITERATE

100.0% PROCESSED 68812 ITERATIONS  
SEARCH TIME: 00.00.01

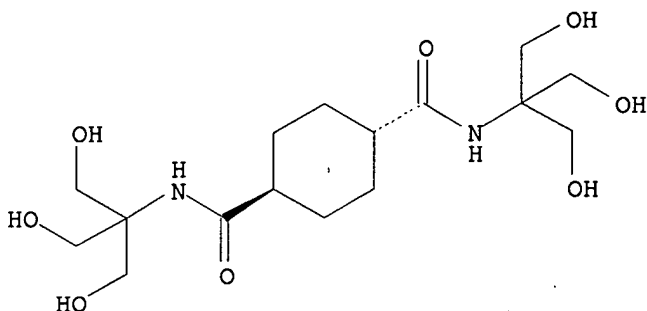
13 ANSWERS

L3 13 SEA SSS FUL L1

=> d 13 1-13

L3 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 308357-61-1 REGISTRY  
CN 1,4-Cyclohexanedicarboxamide, N,N'-bis[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]-, trans- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C16 H30 N2 O8  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: PREP (Preparation)

Relative stereochemistry.



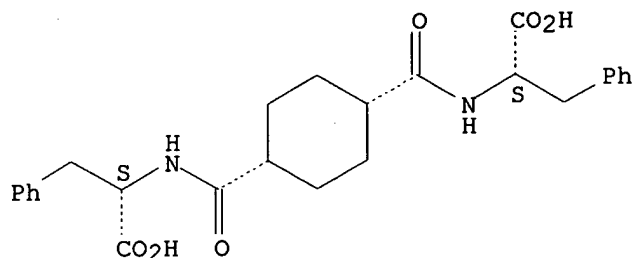
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 184529-86-0 REGISTRY  
CN L-Phenylalanine, N,N'-(cis-1,4-cyclohexanediylldicarbonyl)bis- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C26 H30 N2 O6

SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA CAPLUS document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

Absolute stereochemistry. Rotation (+).

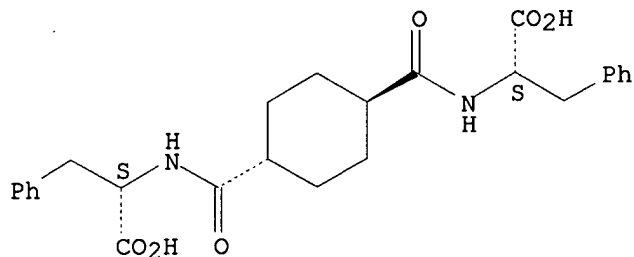


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
 RN 184529-85-9 REGISTRY  
 CN L-Phenylalanine, N,N'-(trans-1,4-cyclohexanediyl)bis- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C26 H30 N2 O6  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL  
 DT.CA CAPLUS document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

Absolute stereochemistry. Rotation (+).



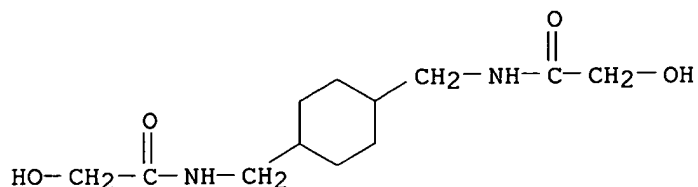
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
 RN 85182-07-6 REGISTRY  
 CN Acetamide, N,N'-[1,4-cyclohexanediylbis(methylene)]bis[2-hydroxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,4-Bis(hydroxyacetamidomethyl)cyclohexane  
 FS 3D CONCORD  
 MF C12 H22 N2 O4  
 LC STN Files: CA, CAPLUS  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
 RN 79519-10-1 REGISTRY  
 CN Decanedioyl dichloride, polymer with trans-N,N'-[1,4-cyclohexanediylbis(methylene)]bis[2-hydroxyacetamide] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acetamide, N,N'-[1,4-cyclohexanediylbis(methylene)]bis[2-hydroxy-, trans-, polymer with decanedioyl dichloride (9CI)

OTHER NAMES:

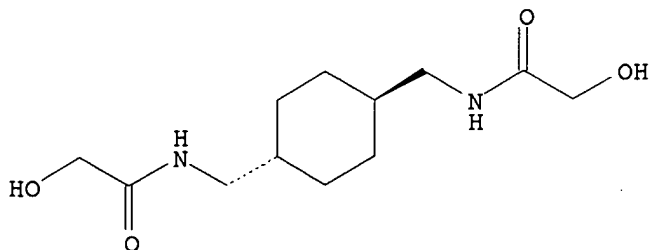
CN trans-1,4-Bis(hydroxyacetamidomethyl)cyclohexane-sebacoyl chloride copolymer  
 FS STEREOSEARCH  
 MF (C12 H22 N2 O4 . C10 H16 Cl2 O2)x  
 CI PMS  
 PCT Polyamide, Polyester, Polyester formed  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 DT.CA Caplus document type: Patent  
 RL.P Roles from patents: PREP (Preparation)

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*

CM 1

CRN 79491-87-5  
 CMF C12 H22 N2 O4

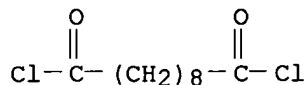
Relative stereochemistry.



CM 2

CRN 111-19-3

CMF C10 H16 Cl2 O2



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 79491-88-6 REGISTRY

CN Acetamide, N,N'-[1,4-cyclohexanediylbis(methylene)]bis[2-hydroxy-, cis-  
(9CI) (CA INDEX NAME)

FS STEREOSEARCH

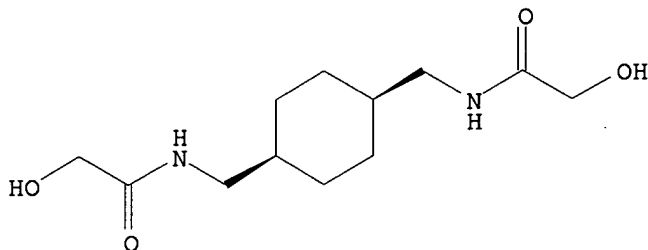
MF C12 H22 N2 O4

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 79491-87-5 REGISTRY

CN Acetamide, N,N'-[1,4-cyclohexanediylbis(methylene)]bis[2-hydroxy-, trans-  
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN trans-1,4-Bis(hydroxyacetamidomethyl)cyclohexane

FS STEREOSEARCH

MF C12 H22 N2 O4

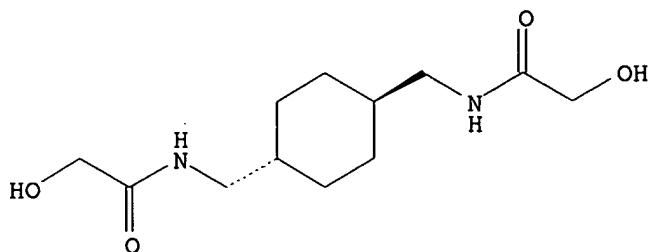
CI COM

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Relative stereochemistry.

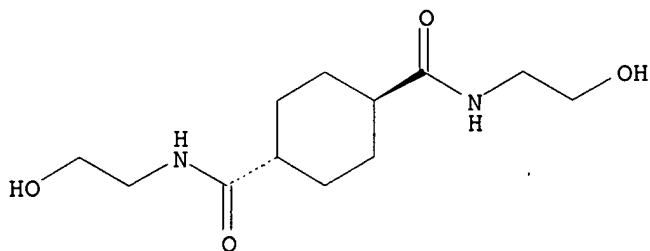


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 71466-07-4 REGISTRY  
CN 1,4-Cyclohexanedicarboxamide, N,N'-bis(2-hydroxyethyl)-, trans- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C12 H22 N2 O4  
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: RACT (Reactant or reagent)

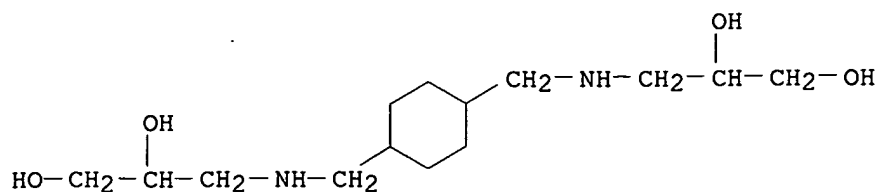
Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

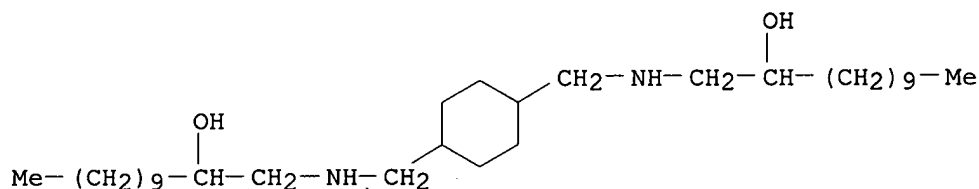
L3 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 65985-84-4 REGISTRY  
CN 1,2-Propanediol, 3,3'-[1,4-cyclohexanediylbis(methyleneimino)]bis- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C14 H30 N2 O4  
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

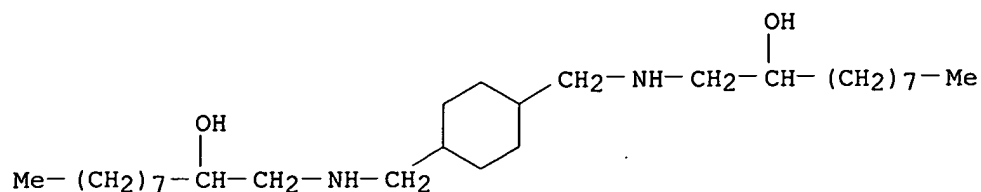
L3 ANSWER 10 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 55778-77-3 REGISTRY  
CN 2-Dodecanol, 1,1'-[1,4-cyclohexanediylbis(methyleneimino)]bis- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C32 H66 N2 O2  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

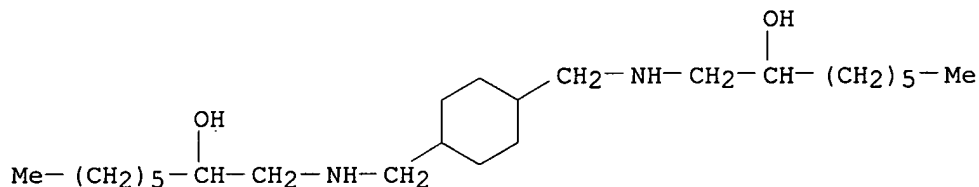
L3 ANSWER 11 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 55778-73-9 REGISTRY  
CN 2-Decanol, 1,1'-[1,4-cyclohexanediylbis(methyleneimino)]bis- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
DR 55778-74-0, 55778-75-1  
MF C28 H58 N2 O2  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
DT.CA CAPLUS document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 55778-72-8 REGISTRY  
CN 2-Octanol, 1,1'-[1,4-cyclohexanediylbis(methyleneimino)]bis- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C24 H50 N2 O2  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)

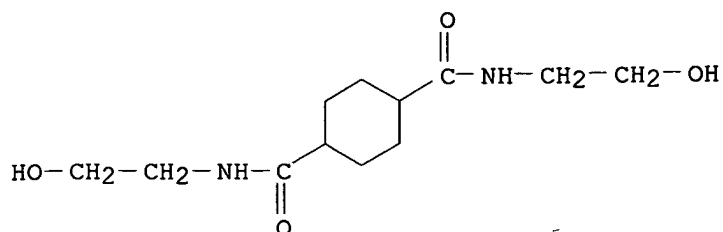


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 23054-52-6 REGISTRY  
CN 1,4-Cyclohexanedicarboxamide, N,N'-bis(2-hydroxyethyl)- (8CI, 9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C12 H22 N2 O4  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Journal; Patent  
RL.P Roles from patents: RACT (Reactant or reagent)  
RL.NP Roles from non-patents: PREP (Preparation)





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.68

185.89

FILE 'CAPLUS' ENTERED AT 16:00:03 ON 03 FEB 2005

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FILE COVERS 1907 - 3 Feb 2005 VOL 142 ISS 6

FILE LAST UPDATED: 2 Feb 2005 (20050202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 13 L3

=> d 14 1-13

L4 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:690425 CAPLUS

DN 134:4731

TI One-step coupling of tris(hydroxymethyl)aminomethane to aliphatic and aromatic carboxylic acids

AU Villanueva, Ignacio; Hernandez, Bernadette; Chang, Virginia; Heagy, Michael D.

CS Department of Chemistry, New Mexico Institute of Mining and Technology, Socorro, NM, 87801, USA

SO Synthesis (2000), (10), 1435-1438

CODEN: SYNTBF; ISSN: 0039-7881

PB Georg Thieme Verlag

DT Journal  
 LA English  
 OS CASREACT 134:4731  
 RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997:759735 CAPLUS  
 DN 128:23110  
 TI The influence of molecular conformation upon the self-assembly of  
 cyclohexane diamide diacids  
 AU Bergeron, Raymond J.; Yao, Guo Wei; Erdos, Gregory W.; Milstein, Sam; Gao,  
 Fenglan; Rocca, Jim; Weimar, William R.; Price, Harry L.; Phanstiel, Otto  
 I. V.  
 CS Department of Medicinal Chemistry, J. Hillis Miller Health Center,  
 University of Florida, Gainesville, FL, 32610, USA  
 SO Bioorganic & Medicinal Chemistry (1997), 5(11), 2049-2061  
 CODEN: BMECEP; ISSN: 0968-0896  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1996:761910 CAPLUS  
 DN 126:37109  
 TI Diamide-dicarboxylic acid microspheres  
 IN Milstein, Sam J.  
 PA Emisphere Technologies, Inc., USA; Milstein, Sam, J.  
 SO PCT Int. Appl., 78 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9633699	A1	19961031	WO 1996-US6502	19960429
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
	US 5820881	A	19981013	US 1995-430491	19950428
	CA 2219454	AA	19961031	CA 1996-2219454	19960429
	AU 9657340	A1	19961118	AU 1996-57340	19960429
	GB 2314508	A1	19980107	GB 1997-22756	19960429
	GB 2314508	B2	19990616		
PRAI	US 1995-430491	A2	19950428		
	WO 1996-US6502	W	19960429		

L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1983:438954 CAPLUS  
 DN 99:38954  
 TI Biodegradable polymer material  
 IN Barrows, Thomas H.  
 PA Minnesota Mining and Manufacturing Co., USA  
 SO Braz. Pedido PI, 46 pp.  
 CODEN: BPXXDX  
 DT Patent  
 LA Portuguese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BR 8008027	A	19820803	BR 1980-8027	19801209
PRAI	BR 1980-8027		19801209		

L4 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1981:609706 CAPLUS  
 DN 95:209706  
 TI Synthetic absorbable surgical devices of polyester amides  
 IN Barrows, Thomas H.  
 PA Minnesota Mining and Manufacturing Co., USA  
 SO Eur. Pat. Appl., 33 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 30822	A2	19810624	EP 1980-304367	19801203
	EP 30822	A3	19810902		
	EP 30822	B1	19830914		
	R: BE, CH, DE, FR, GB, IT, SE				
	US 4343931	A	19820810	US 1979-103915	19791217
	CA 1159997	A1	19840103	CA 1980-365375	19801124
	ZA 8007849	A	19811230	ZA 1980-7849	19801215
	AU 8065419	A1	19810625	AU 1980-65419	19801216
	AU 538802	B2	19840830		
	JP 56093733	A2	19810729	JP 1980-178648	19801217
	JP 03014851	B4	19910227		
	US 4529792	A	19850716	US 1982-375744	19820506
PRAI	US 1979-103915	A	19791217		

L4 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1979:558503 CAPLUS  
 DN 91:158503  
 TI Anthranilic acid esters of oxyalkylated carboxylic acid amides  
 IN Habermeyer, Juergen; Moser, Roland; Seiz, Wolfgang  
 PA Ciba-Geigy A.-G., Switz.  
 SO Ger. Offen., 22 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2852785	A1	19790613	DE 1978-2852785	19781206
	US 4174455	A	19791113	US 1978-966417	19781204
	AT 7808755	A	19800815	AT 1978-8755	19781207
	AT 361458	B	19810310		
	CA 1113487	A1	19811201	CA 1978-318136	19781207
	FR 2411173	A1	19790706	FR 1978-34597	19781208
	FR 2411173	B1	19820205		
	JP 54092936	A2	19790723	JP 1978-152603	19781208
	GB 2010265	A	19790627	GB 1978-47933	19781211
PRAI	CH 1977-15123	A	19771209		

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1978:152015 CAPLUS  
 DN 88:152015  
 TI Broad spectrum antibacterial compositions containing  
 tris(hydroxymethyl)aminomethane and dicycloaliphatic alkyl polyamines

IN Jacobus, David P.; Dulaney, Eugene L.; Grier, Nathaniel  
 PA Merck and Co., Inc., USA  
 SO U.S., 12 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4060639	A	19771129	US 1976-686428	19760514
PRAI	US 1976-686428	A	19760514		

L4 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1977:405382 CAPLUS  
 DN 87:5382  
 TI N,N'-Bridged-bis[2-alkyl-2-hydroxyethylamines]  
 IN Diana, Guy D.; Cutler, Royal A.  
 PA Sterling Drug Inc., USA  
 SO U.S., 11 pp. Division of U.S. 3,928,427.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4022833	A	19770510	US 1975-582646	19750602
	US 3928427	A	19751223	US 1973-332267	19730214
	US 4119668	A	19781010	US 1977-833485	19770915
	US 4140860	A	19790220	US 1978-916345	19780616
PRAI	US 1971-123097	A2	19710310		
	US 1973-332267	A3	19730214		
	US 1975-582646	A3	19750602		
	US 1976-739447	A3	19761108		
	US 1977-833485	A3	19770715		

L4 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1976:179640 CAPLUS  
 DN 84:179640  
 TI N,N'-Bridged-bis[2-alkyl-2-hydroxyethylamine] salts  
 IN Diana, Guy D.; Cutler, Royal A.  
 PA Sterling Drug Inc., USA  
 SO U.S., 10 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3928427	A	19751223	US 1973-332267	19730214
	US 4022833	A	19770510	US 1975-582646	19750602
	US 4119668	A	19781010	US 1977-833485	19770915
	US 4140860	A	19790220	US 1978-916345	19780616
PRAI	US 1971-123097	A2	19710310		
	US 1973-332267	A3	19730214		
	US 1975-582646	A3	19750602		
	US 1976-739447	A3	19761108		
	US 1977-833485	A3	19770715		

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1976:164137 CAPLUS  
 DN 84:164137  
 TI N,N'-Alkylenebis[2-alkyl-2-hydroxyethylamines]

PA Sterling Drug Inc., USA  
SO Jpn. Kokai Tokkyo Koho, 23 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 49127908	A2	19741207	JP 1973-44242	19730420
PRAI	JP 1973-44242	A	19730420		

L4 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1975:170033 CAPLUS  
DN 82:170033  
TI Antibacterial N,N'-bridged bis(2-alkyl-2-hydroxy)ethylamines  
IN Diana, Guy D.; Cutler, Royal A.  
PA Sterling Drug Inc., USA  
SO Brit., 13 pp.  
CODEN: BRXXAA  
DT Patent  
LA English  
FAN.CNT 1

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PI	GB 1377449	A	19741218	GB 1973-15743	19730402
PRAI	GB 1973-15743	A	19730402		

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1975:86814 CAPLUS  
DN 82:86814  
TI Oxazolines  
IN Arlt, Dieter; Hagemann, Hermann  
PA Bayer A.-G.  
SO Ger. Offen., 25 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

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PI	DE 2319070	A1	19741031	DE 1973-2319070	19730416
	JP 49135969	A2	19741227	JP 1974-40041	19740410
	ZA 7402329	A	19750326	ZA 1974-2329	19740411
	IT 1004224	A	19760710	IT 1974-50333	19740411
	CH 587257	A	19770429	CH 1974-5102	19740411
	BE 813649	A1	19741014	BE 1974-143139	19740412
	AT 7403098	A	19760815	AT 1974-3098	19740412
	AT 336010	B	19770412		
	ES 425316	A1	19760516	ES 1974-425316	19740415
	NL 7405110	A	19741018	NL 1974-5110	19740416
	FR 2225432	A1	19741108	FR 1974-13226	19740416
	FR 2225432	B1	19781201		
	GB 1468874	A	19770330	GB 1974-16438	19740416
PRAI	DE 1973-2319070	A	19730416		

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1969:430427 CAPLUS  
DN 71:30427  
TI Synthesis of N,O- and N,S-heterocyclic compounds by condensation of fatty acid alkylolamides with carbonyl compounds and phosphorous pentasulfide, respectively  
AU Thewalt, K.; Renckhoff, G.

CS Wiss. Abt., Dyn. Nobel A.-G., Witten, Fed. Rep. Ger.  
SO Fette, Seifen, Anstrichmittel (1968), 70(9), 648-53  
CODEN: FSASAX; ISSN: 0015-038X  
DT Journal  
LA German

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COST IN U.S. DOLLARS

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TOTAL

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STRUCTURE FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2

DICTIONARY FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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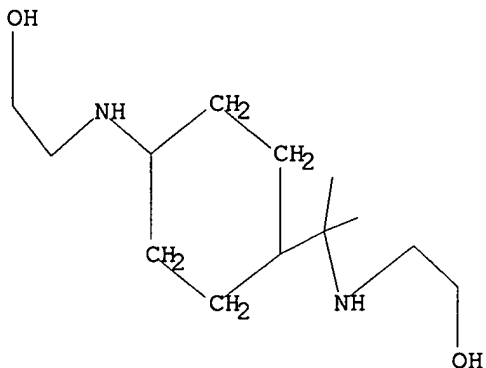
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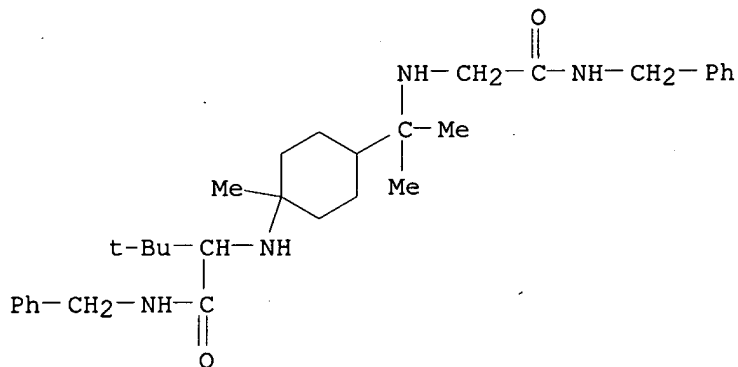
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SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: PREP (Preparation)



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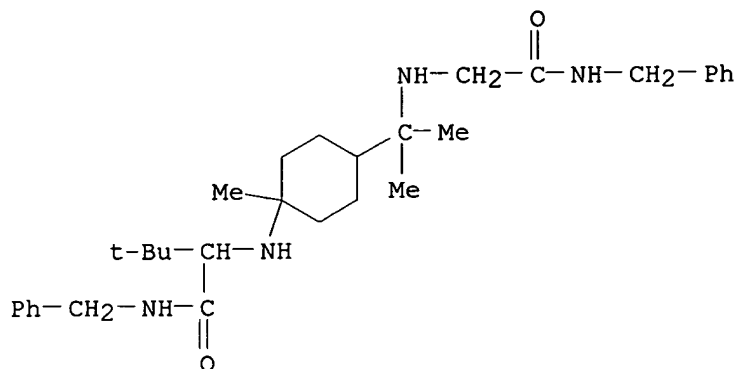
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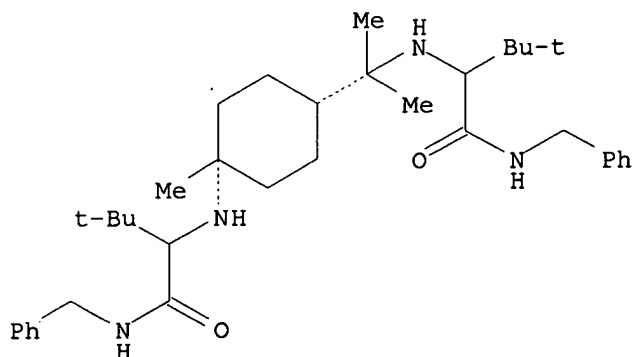


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 RN 387818-11-3 REGISTRY  
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 ropyl]amino]-4-methylcyclohexyl]-1-methylethyl]amino]-3,3-dimethyl-N-  
 (phenylmethyl)- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C36 H56 N4 O2  
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Relative stereochemistry.



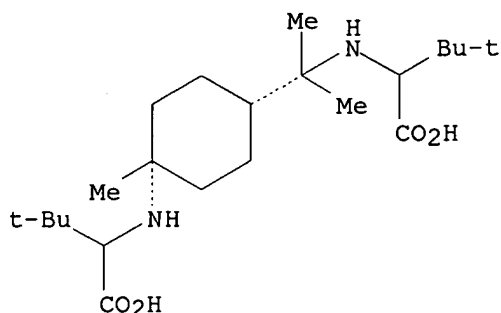


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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RN 387818-09-9 REGISTRY  
CN Valine, N-[1-[cis-4-[(1-carboxy-2,2-dimethylpropyl)amino]-4-methylcyclohexyl]-1-methylethyl]-3-methyl- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C22 H42 N2 O4  
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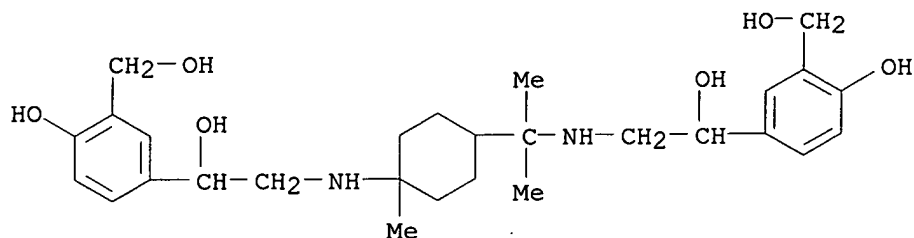
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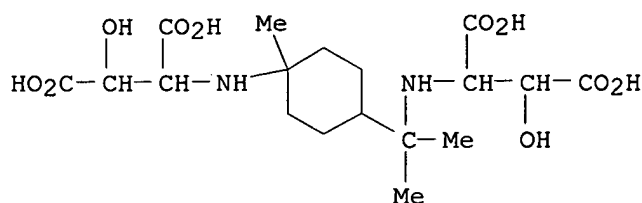
L7 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 321708-27-4 REGISTRY  
CN 1,3-Benzenedimethanol, 4-hydroxy- $\alpha$ 1-[[[1-[4-[2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl]amino]-4-methylcyclohexyl]-1-methylethyl]amino]methyl]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C28 H42 N2 O6  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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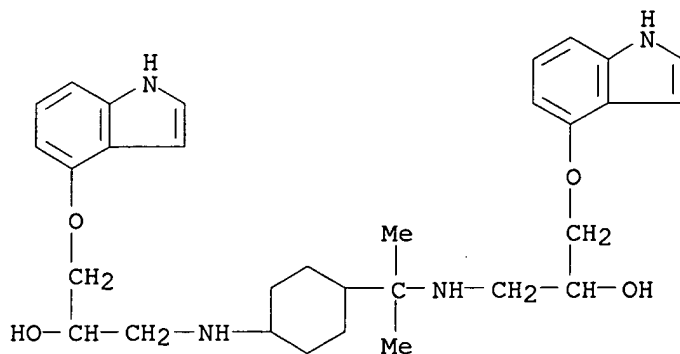
L7 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 147697-05-0 REGISTRY  
CN Aspartic acid, N-[1-[4-[(1,2-dicarboxy-2-hydroxyethyl)amino]-4-methylcyclohexyl]-1-methylethyl]-3-hydroxy- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C18 H30 N2 O10  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: PROC (Process)



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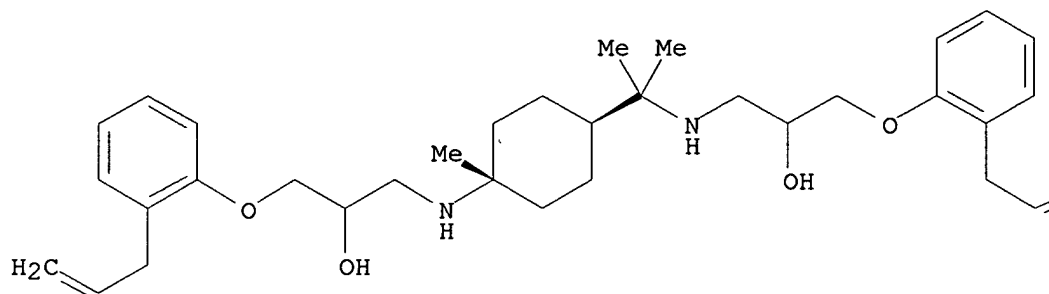
L7 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 133801-03-3 REGISTRY  
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MF C31 H42 N4 O4  
SR CA  
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DT.CA CAplus document type: Journal  
RL.NP Roles from non-patents: BIOL (Biological study)



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RN 97879-23-7 REGISTRY
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(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C34 H50 N2 O4
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
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DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)
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PAGE 1-A



PAGE 1-B

 $\text{CH}_2$ 

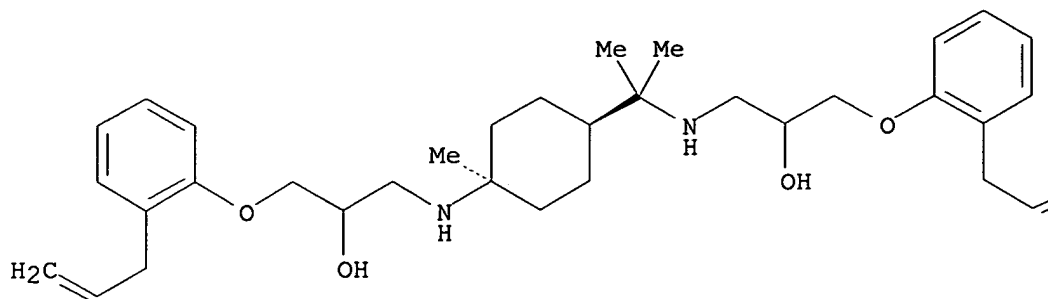
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RN 97879-20-4 REGISTRY
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(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C34 H50 N2 O4
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
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DT.CA Caplus document type: Journal
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RL.NP Roles from non-patents: PREP (Preparation)

Relative stereochemistry.

PAGE 1-A



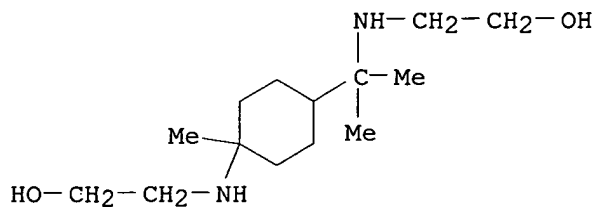
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 34986-26-0 REGISTRY  
CN Ethanol, 2-[[1-[4-[(2-hydroxyethyl)amino]-4-methylcyclohexyl]-1-methylethyl]amino]- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN N,N'-Bis(2-hydroxyethyl)-1,8-diamino-p-menthane  
FS 3D CONCORD  
MF C14 H30 N2 O2  
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation)



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FULL ESTIMATED COST

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FILE COVERS 1907 - 3 Feb 2005 VOL 142 ISS 6  
FILE LAST UPDATED: 2 Feb 2005 (20050202/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L8 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2002:373602 CAPLUS  
DN 137:200931  
TI About the factors which govern the ring-opening of  $\alpha$ -lactams with benzylamine: I. The relative stability of the  $\alpha$ -lactam and the substituent on nitrogen  
AU Lengyel, Istvan; Cesare, Victor; Chen, Sihao; Taldone, Tony  
CS Department of Chemistry, St. John's University, Jamaica, NY, 11439, USA  
SO Heterocycles (2002), 57(4), 677-695  
CODEN: HTCYAM; ISSN: 0385-5414  
PB Japan Institute of Heterocyclic Chemistry  
DT Journal  
LA English  
OS CASREACT 137:200931  
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2002:354101 CAPLUS  
DN 136:355062  
TI Preparation of novel multi-binding phenolic compounds as  $\beta$ 2-adrenergic receptor agonists  
IN Moran, Edmund J.; Griffin, John H.; Choi, Seok-ki  
PA Theravance, Inc., USA  
SO U.S. Pat. Appl. Publ., 92 pp., Cont. of U.S. Ser. No. 323,943.  
CODEN: USXXCO

DT Patent  
LA English  
FAN.CNT 31

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	US 6541669	B1	20030401	US 1999-323943	19990602
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	AU 9946727	A1	19991230	AU 1999-46727	19990607
	AU 9946751	A1	19991230	AU 1999-46751	19990607
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US 2003087306	A1	20030508	US 2001-15534	20011213
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US 1998-92938P	P	19980715		
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WO 1999-US11786	W	19990604		
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WO 1999-US12782	W	19990607		

US 1999-327904	B1	19990608
WO 1999-US12626	W	19990608
WO 1999-US12770	W	19990608
WO 1999-US12876	W	19990608
WO 1999-US12907	W	19990608
WO 1999-US12989	W	19990608
WO 1999-US12994	W	19990608
WO 1999-US12995	W	19990608
US 1999-457618	B1	19991208
US 2000-493462	B1	20000128
US 2000-637899	A1	20000814

OS MARPAT 136:355062

L8 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:794408 CAPLUS

DN 136:85949

TI The synthesis, physical, and spectral properties, and some reactions of a new stable bis- $\alpha$ -lactam (aziridinone) with a terpene skeleton

AU Lengyel, Istvan; Cesare, Victor; Taldone, Tony; Uliss, David

CS Department of Chemistry, St. John's University, Jamaica, NY, 11439, USA

SO Synthetic Communications (2001), 31(23), 3671-3683

CODEN: SYNCAV; ISSN: 0039-7911

PB Marcel Dekker, Inc.

DT Journal

LA English

OS CASREACT 136:85949

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:435027 CAPLUS

DN 135:45979

TI Preparation of 4-(arylhydroxyethylaminoethyl)phenylaminohydroxyethylbenzenes and related compounds as  $\beta_2$  adrenergic receptor agonists and partial agonists.

IN Moran, Edmund J.; Griffin, John H.; Choi, Seok-ki

PA Advanced Medicine, Inc., USA

SO PCT Int. Appl., 164 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 31

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001042193	A1	20010614	WO 2000-US33057	20001206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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US 6576793	B1	20030610	US 2000-637899	20000814
ZA 2000005850	A	20020517	ZA 2000-5850	20001019
CA 2391293	AA	20010614	CA 2000-2391293	20001206
BR 2000015962	A	20020730	BR 2000-15962	20001206
EP 1235787	A1	20020904	EP 2000-986271	20001206
EP 1235787	B1	20031029		
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JP 2003516381	T2	20030513	JP 2001-543495	20001206
AT 253039	E	20031115	AT 2000-986271	20001206
PT 1235787	T	20040331	PT 2000-986271	20001206
ES 2208453	T3	20040616	ES 2000-986271	20001206
US 2003087307	A1	20030508	US 2002-108945	20020328
ZA 2002003450	A	20030513	ZA 2002-3450	20020430
NO 2002002655	A	20020605	NO 2002-2655	20020605
HK 1048803	A1	20040130	HK 2003-101047	20030213
PRAI US 1999-457618	A	19991208		
US 2000-637899	A1	20000814		
US 1999-323943	A2	19990602		
WO 2000-US33057	W	20001206		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2001:102476 CAPLUS  
DN 134:131310  
TI Preparation of novel multibinding phenolic compounds as  $\beta$ 2-adrenergic  
receptor agonists  
IN Griffin, John H.; Moran, Edmund J.; Choi, Seok-Ki  
PA Advanced Medicine, Inc., USA  
SO PCT Int. Appl., 159 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 31

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964035	A1	19991216	WO 1999-US11804	19990607
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	US 6362371	B1	20020326	US 1999-323937	19990602
	CA 2318894	AA	19991216	CA 1999-2318894	19990604
	WO 9964031	A1	19991216	WO 1999-US11786	19990604
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	AU 9945435	A1	19991230	AU 1999-45435	19990604
	EP 1003540	A1	20000531	EP 1999-928344	19990604
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	CA 2318286	AA	19991216	CA 1999-2318286	19990607
	CA 2319068	AA	19991216	CA 1999-2319068	19990607
	CA 2319159	AA	19991216	CA 1999-2319159	19990607
	CA 2319175	AA	19991216	CA 1999-2319175	19990607

CA 2319496	AA	19991216	CA 1999-2319496	19990607
CA 2319751	AA	19991216	CA 1999-2319751	19990607
CA 2319756	AA	19991216	CA 1999-2319756	19990607
CA 2321170	AA	19991216	CA 1999-2321170	19990607
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WO 9964034	A1	19991216	WO 1999-US11803	19990607
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WO 9963930	A2	19991216	WO 1999-US11805	19990607
WO 9963930	A3	20000127		
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WO 9963983	A1	19991216	WO 1999-US12669	19990607
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WO 9964038	A1	19991216	WO 1999-US12673	19990607
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RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 9964041	A1	19991216	WO 1999-US12727	19990607
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WO 9964042	A1	19991216	WO 1999-US12728	19990607
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	MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 9963933	A2	19991216	WO 1999-US12730	19990607
WO 9963933	A3	20000203		
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WO 9964000	A1	19991216	WO 1999-US12731	19990607
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WO 9963993	A1	19991216	WO 1999-US12778	19990607
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WO 9963996	A1	19991216	WO 1999-US12782	19990607
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AU 9946727	A1	19991230	AU 1999-46727	19990607
AU 9946751	A1	19991230	AU 1999-46751	19990607
AU 9946752	A1	19991230	AU 1999-46752	19990607
AU 9946754	A1	19991230	AU 1999-46754	19990607
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EP 1094826	A1	20010502	EP 1999-930156	19990607
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JP 2002517460	T2	20020618	JP 2000-553103	19990607
JP 2002517463	T2	20020618	JP 2000-553110	19990607
SG 93205	A1	20021217	SG 1999-2843	19990607
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WO 9964052	A1	19991216	WO 1999-US12876	19990608
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OS MARPAT 134:131310

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

AN 1993:585900 CAPLUS  
 DN 119:185900  
 TI Corrosion inhibitors based on aminohydroxysuccinic acid compounds in aqueous systems  
 IN Carter, Charles G.; Jovancicevic, Vladimir; Hartman, Judith A.; Kreh, Robert P.  
 PA W. R. Grace and Co., USA  
 SO U.S., 7 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
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PI	US 5183590	A	19930202	US 1991-782359	19911024
	AU 9219335	A1	19930429	AU 1992-19335	19920701
	AU 648907	B2	19940505		
	ZA 9205051	A	19960308	ZA 1992-5051	19920707
	CA 2074460	AA	19930425	CA 1992-2074460	19920724
	CA 2074460	C	20030506		
	JP 05214567	A2	19930824	JP 1992-293984	19921008
PRAI	US 1991-782359	A	19911024		
OS	MARPAT 119:185900				

L8 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:221528 CAPLUS  
 DN 114:221528  
 TI Structural determinants of 5-HT1A versus 5-HT1D receptor binding site selectivity  
 AU Harrington, Melissa A.; Sleight, Andrew J.; Pitha, Josef; Peroutka, Stephen J.  
 CS Sch. Med., Stanford Univ., Stanford, CA, 94305, USA  
 SO European Journal of Pharmacology (1991), 194(1), 83-90  
 CODEN: EJPHAZ; ISSN: 0014-2999  
 DT Journal  
 LA English

L8 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1985:615577 CAPLUS  
 DN 103:215577  
 TI Alkylating  $\beta$ -blockers: activity of isomeric bromoacetyl alprenolol menthanes  
 AU Liptak, Andras; Kusiak, John W.; Pitha, Josef  
 CS NIA, Natl. Inst. Health, Baltimore, MD, 21224, USA  
 SO Journal of Medicinal Chemistry (1985), 28(11), 1699-703  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DT Journal  
 LA English  
 OS CASREACT 103:215577

L8 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1972:4548 CAPLUS  
 DN 76:4548  
 TI Moisture-hardenable oxazolidine-polyisocyanate compositions  
 IN Emmons, William D.  
 PA Rohm and Haas Co.  
 SO Ger. Offen., 60 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

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TOTAL

ENTRY

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STRUCTURE FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2

DICTIONARY FILE UPDATES: 2 FEB 2005 HIGHEST RN 824932-81-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

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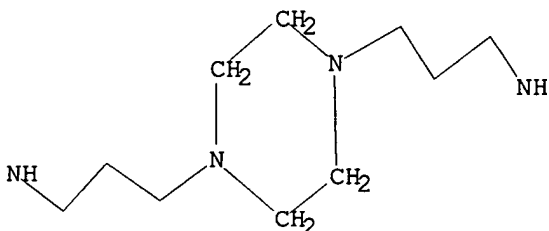
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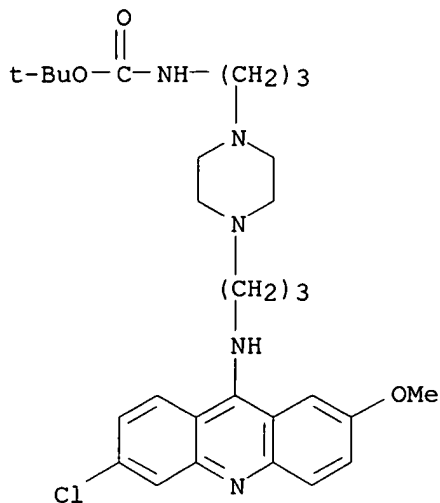
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RN 776249-75-3 REGISTRY  
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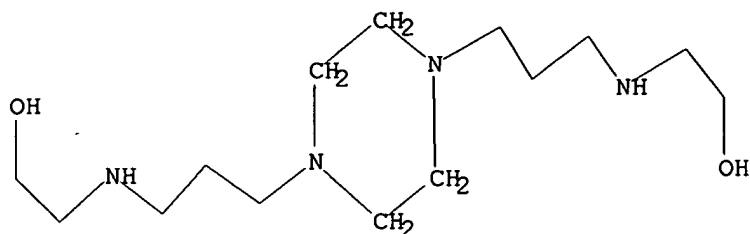
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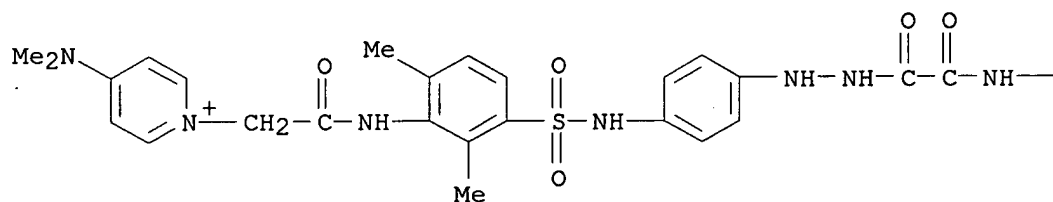
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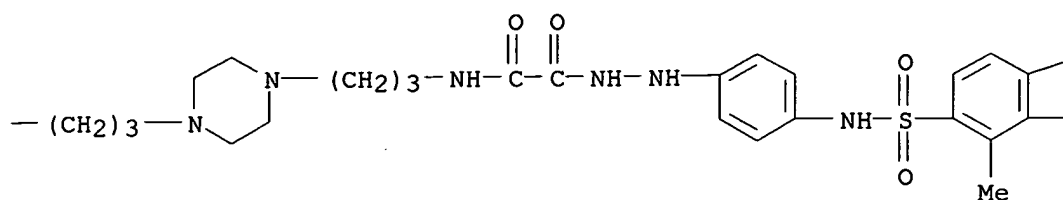
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MF C60 H78 N16 O10 S2  
CI COM  
SR CA

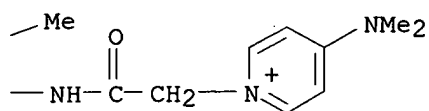
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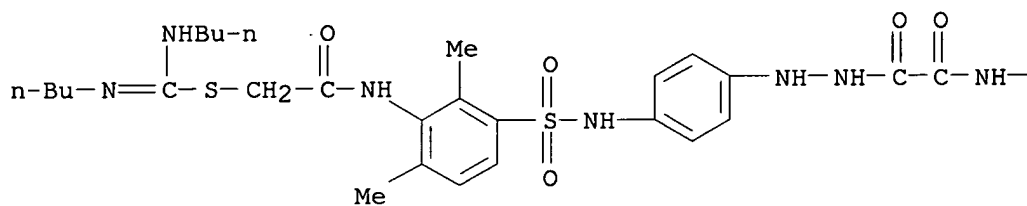


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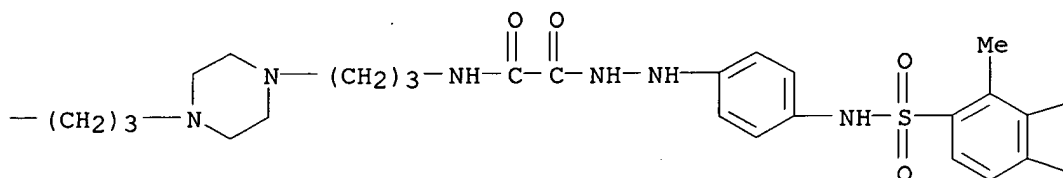


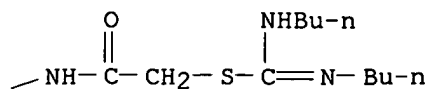
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 bis[2-[4-[[[3-[[[(butylamino)(butylimino)methyl]thio]acetyl]amino]-2,4-  
 dimethylphenyl]sulfonyl]amino]phenyl]hydrazide] (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C64 H96 N16 O10 S4  
 CI COM  
 SR CA

PAGE 1-A



PAGE 1-B





L13 ANSWER 3 OF 14 REGISTRY COPYRIGHT 2005 ACS on STN

RN 637009-00-8 REGISTRY

CN Acetic acid, 2,2'-[1,4-piperazinediylbis(3,1-propanediylimino)]bis[2-oxo-, bis[2-[4-[[[3-[[[(butylamino)(butylimino)methyl]thio]acetyl]amino]-2,4-dimethylphenyl]sulfonyl]amino]phenyl]hydrazide], dihydrochloride (9CI)  
(CA INDEX NAME)

MF C64 H96 N16 O10 S4 . 2 Cl H

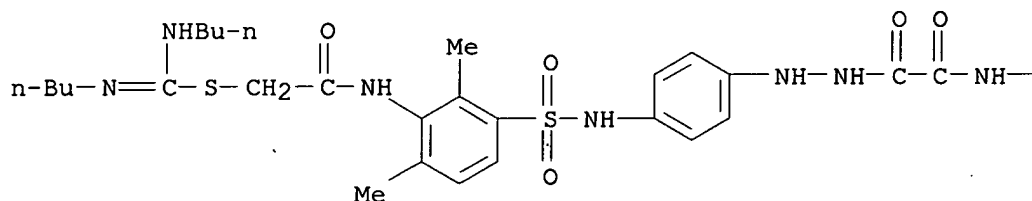
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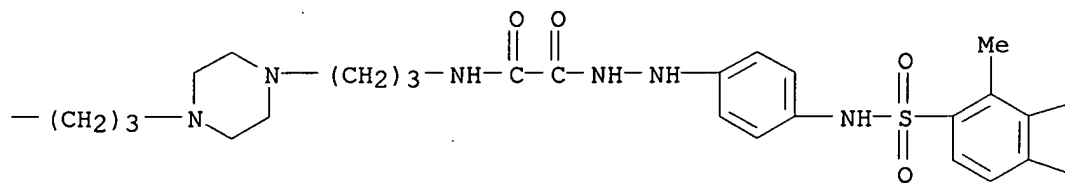
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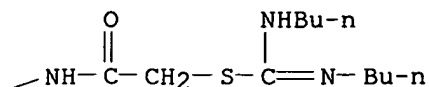
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CRN (693773-20-5)



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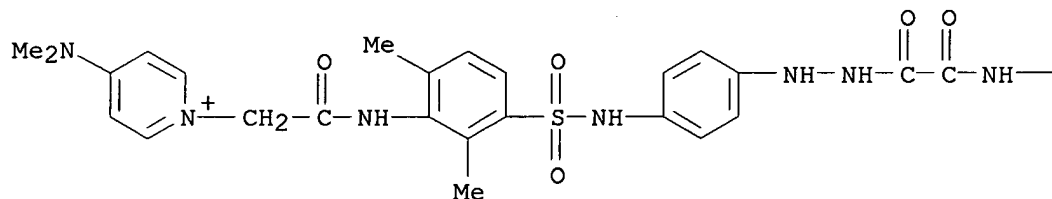




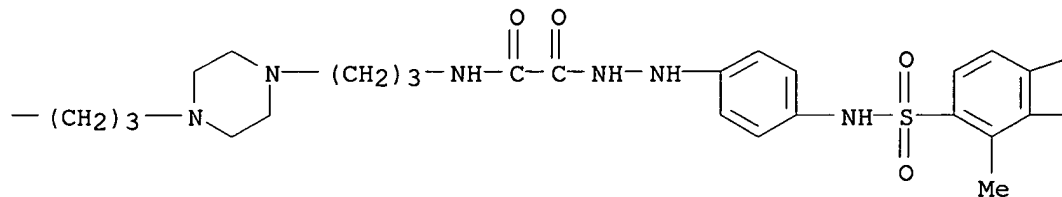
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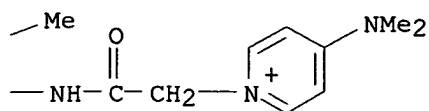
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CN Pyridinium, 1,1'-[1,4-piperazinediylbis[3,1-propanediylimino(1,2-dioxo-2,1-ethanediyl)hydrazo-4,1-phenyleneiminosulfonyl(2,6-dimethyl-3,1-phenylene)imino(2-oxo-2,1-ethanediyl)]]bis[4-(dimethylamino)-, dichloride (9CI) (CA INDEX NAME)  
MF C60 H78 N16 O10 S2 . 2 Cl  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
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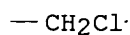
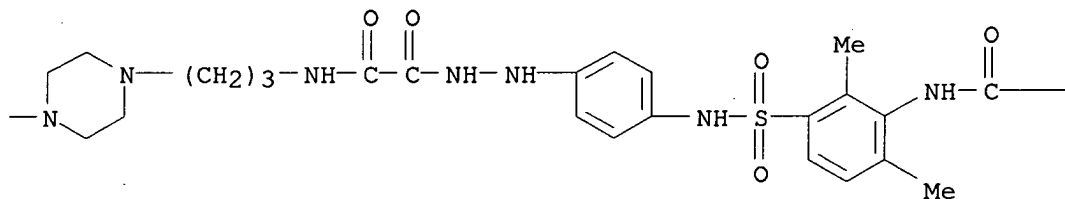
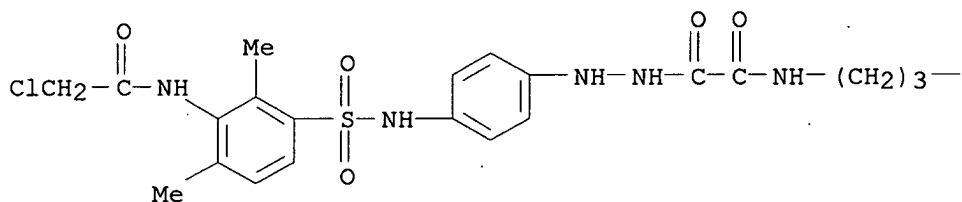
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bis[2-[4-[[[3-[(chloroacetyl)amino]-2,4-dimethylphenyl]sulfonyl]amino]phen  
yl]hydrazide] (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
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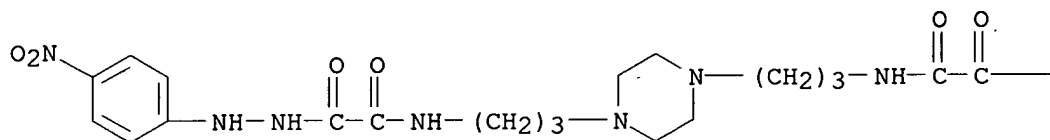


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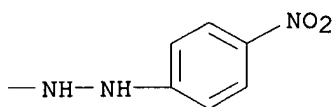
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 bis[2-(4-nitrophenyl)hydrazide] (9CI) (CA INDEX NAME)  
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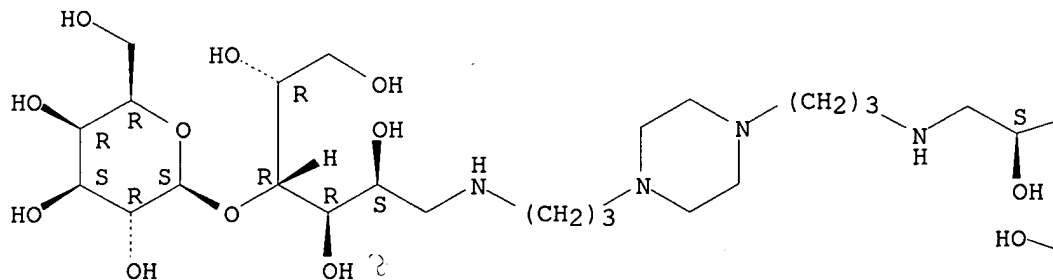
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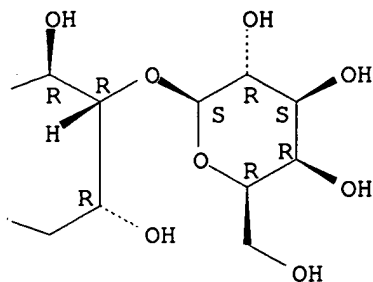
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 CN D-Glucitol, 1,1'-[1,4-piperazinediylbis(3,1-propanediylimino)]bis[1-deoxy-  
 4-O-β-D-galactopyranosyl- (9CI) (CA INDEX NAME)  
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 MF C34 H68 N4 O20  
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Absolute stereochemistry.

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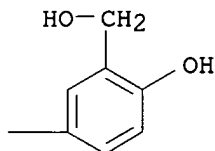
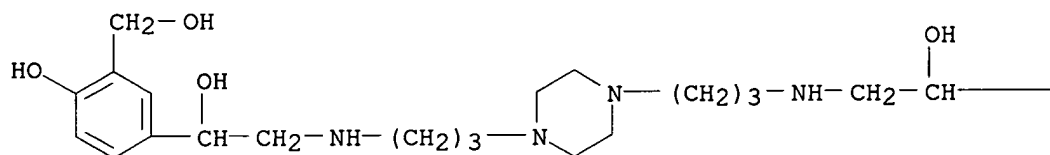




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RN 321708-29-6 REGISTRY  
CN 1,3-Benzenedimethanol,  $\alpha, \alpha'$ -[1,4-piperazinediylbis(3,1-propanediyliminomethylene)]bis[4-hydroxy- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C28 H44 N4 O6  
SR CA  
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DT.CA CAplus document type: Patent  
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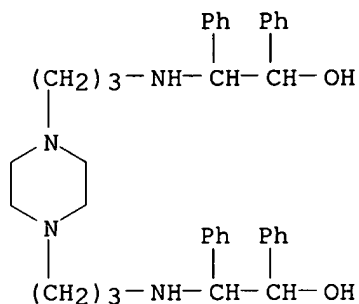
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L13 ANSWER 9 OF 14 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 146607-01-4 REGISTRY



CN Benzeneethanol,  $\beta,\beta'$ -[1,4-piperazinediylbis(3,1-propanediylimino)]bis[ $\alpha$ -phenyl- (9CI) (CA INDEX NAME)  
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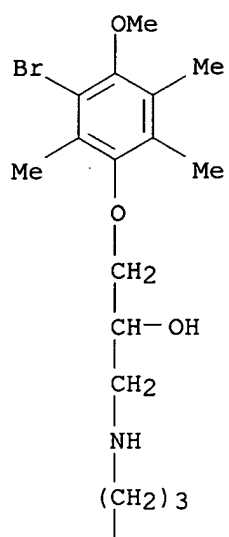


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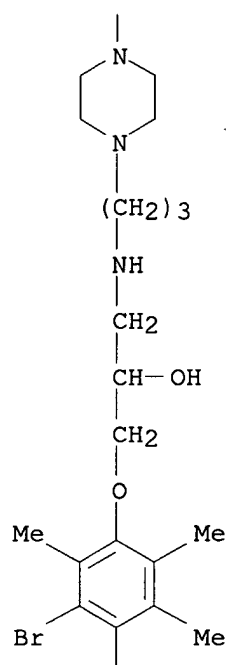
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L13 ANSWER 10 OF 14 REGISTRY COPYRIGHT 2005 ACS on STN  
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 MF C36 H58 Br2 N4 O6 . 2 Cl H  
 LC STN Files: CA, CAPLUS  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: PREP (Preparation)  
 CRN (53650-28-5)

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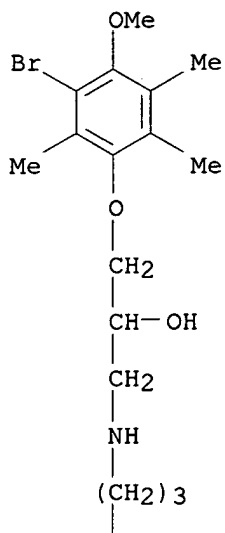


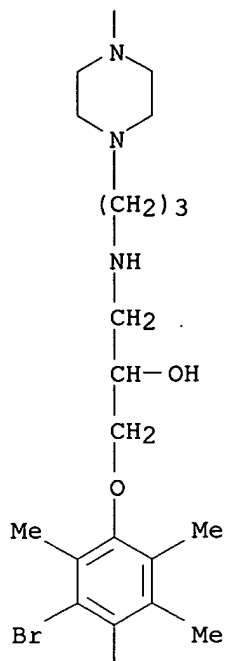
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1 REFERENCES IN FILE CA (1907 TO DATE)  
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L13 ANSWER 11 OF 14 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 53650-28-5 REGISTRY  
CN 2-Propanol, 1,1'-[1,4-piperazinediylbis(3,1-propanediylimino)]bis[3-(3-bromo-4-methoxy-2,5,6-trimethylphenoxy)- (9CI) (CA INDEX NAME)  
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MF C36 H58 Br2 N4 O6  
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LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: PREP (Preparation)

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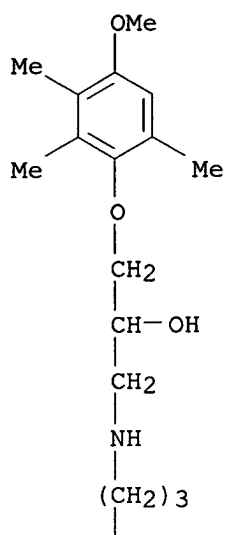


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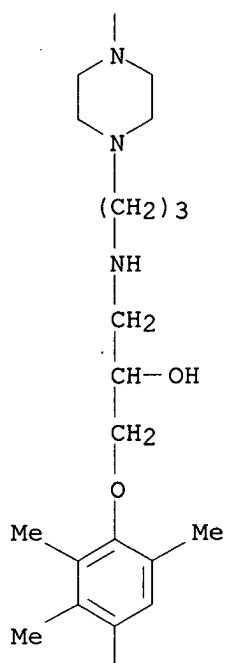
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L13 ANSWER 12 OF 14 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 53650-22-9 REGISTRY  
CN 2-Propanol, 1,1'-[1,4-piperazinediylbis(3,1-propanediylimino)]bis[3-(4-methoxy-2,3,6-trimethylphenoxy)-, tetrahydrochloride (9CI) (CA INDEX NAME)  
MF C36 H60 N4 O6 . 4 Cl H  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Patent  
RL.P Roles from patents: PREP (Preparation)  
CRN (53650-21-8)

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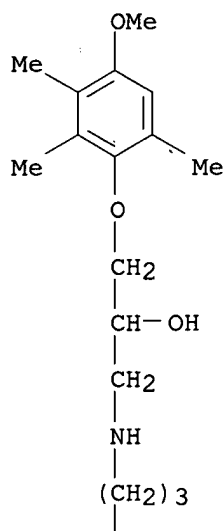


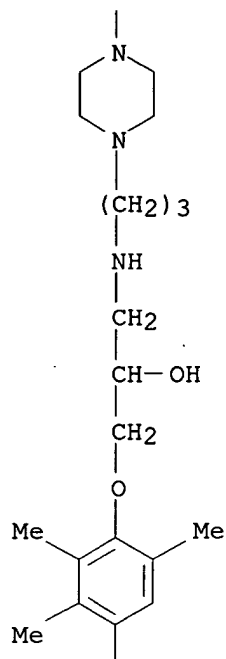
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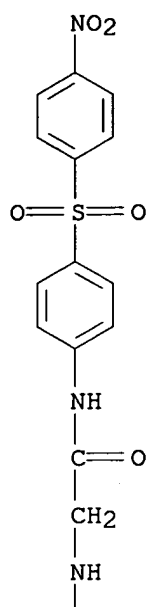


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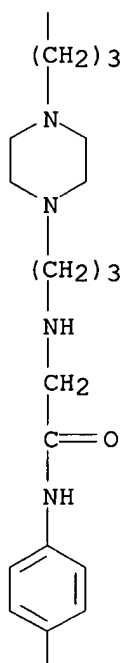
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L13 ANSWER 14 OF 14 REGISTRY COPYRIGHT 2005 ACS on STN  
 RN 50385-21-2 REGISTRY  
 CN Acetamide, 2,2'-[1,4-piperazinediylbis(3,1-propanediylimino)]bis[N-[4-[(4-nitrophenyl)sulfonyl]phenyl]- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C38 H44 N8 O10 S2  
 LC STN Files: CA, CAPLUS, TOXCENTER  
 DT.CA Caplus document type: Journal  
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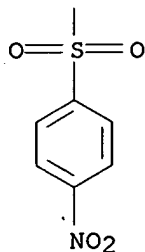
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FILE LAST UPDATED: 2 Feb 2005 (20050202/ED)

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L18 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:5236 CAPLUS

DN 140:84564  
TI High contrast photographic element containing a polyhydrazide nucleating agent  
IN Goddard, John Demita; Leyshon, Llewellyn James  
PA Eastman Kodak Company, USA  
SO Eur. Pat. Appl., 42 pp.  
CODEN: EPXXDW

DT Patent  
LA English

FAN.CNT 1

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PI	EP 1376221	A1	20040102	EP 2003-76716	20030603
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	US 2004005511	A1	20040108	US 2003-465492	20030619
	US 6713226	B2	20040330		
	JP 2004021267	A2	20040122	JP 2003-174824	20030619
PRAI	GB 2002-14122	A	20020619		

OS MARPAT 140:84564

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:1007397 CAPLUS

DN 140:50287

TI Process for development of a high-contrast photographic product containing a polyhydrazide-type nucleating agent

IN Roussilhe, Jacques; Tsoi, Siu Chung; Goddard, John De Mita; Leyshon, Llewellyn James

PA Eastman Kodak Company, USA

SO Fr. Demande, 71 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

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PI	FR 2841346	A1	20031226	FR 2002-7603	20020619
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	US 2004023149	A1	20040205	US 2003-465491	20030619
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OS MARPAT 140:50287

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:737288 CAPLUS

DN 139:241310

TI Cationic sugar derivatives for gene transfer

IN Wang, Jinkang; Bennett, Michael; Wang, Xuegong

PA Genteric, Inc., USA

SO U.S. Pat. Appl. Publ., 18 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

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PI	US 2003175966	A1	20030918	US 2002-100466	20020314
PRAI	US 2002-100466		20020314		
OS	MARPAT 139:241310				

L18 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2002:354101 CAPLUS  
 DN 136:355062  
 TI Preparation of novel multi-binding phenolic compounds as  
 $\beta$ 2-adrenergic receptor agonists  
 IN Moran, Edmund J.; Griffin, John H.; Choi, Seok-ki  
 PA Theravance, Inc., USA  
 SO U.S. Pat. Appl. Publ., 92 pp., Cont. of U.S. Ser. No. 323,943.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 31

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	EP 1003540	A1	20000531	EP 1999-928344	19990604
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JP 2002517442	T2	20020618	JP 2000-553068	19990608
US 6288055	B1	20010911	US 2000-499476	20000207
ZA 2000003475	A	20011011	ZA 2000-3475	20000711
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US 2003087306	A1	20030508	US 2001-15534	20011213
US 2003087307	A1	20030508	US 2002-108945	20020328

PRAI US 1998-88466P P 19980608  
 US 1998-92938P P 19980715  
 US 1999-323943 A1 19990602  
 WO 1999-US11786 W 19990604  
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 WO 1999-US12995 W 19990608  
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 US 2000-493462 B1 20000128  
 US 2000-637899 A1 20000814  
 OS MARPAT 136:355062

L18 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:435027 CAPLUS

DN 135:45979

TI Preparation of 4-(arylhydroxyethylaminoethyl)phenylaminohydroxyethylbenzenes and related compounds as  $\beta$ 2 adrenergic receptor agonists and partial agonists.

IN Moran, Edmund J.; Griffin, John H.; Choi, Seok-ki

PA Advanced Medicine, Inc., USA

SO PCT Int. Appl., 164 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 31

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001042193	A1	20010614	WO 2000-US33057	20001206
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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BR 2000015962	A	20020730	BR 2000-15962	20001206
EP 1235787	A1	20020904	EP 2000-986271	20001206
EP 1235787	B1	20031029		
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AT 253039	E	20031115	AT 2000-986271	20001206
PT 1235787	T	20040331	PT 2000-986271	20001206
ES 2208453	T3	20040616	ES 2000-986271	20001206
US 2003087307	A1	20030508	US 2002-108945	20020328
ZA 2002003450	A	20030513	ZA 2002-3450	20020430
NO 2002002655	A	20020605	NO 2002-2655	20020605
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US 2000-637899	A1	20000814		
US 1999-323943	A2	19990602		
WO 2000-US33057	W	20001206		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:102476 CAPLUS

DN 134:131310

TI Preparation of novel multibinding phenolic compounds as  $\beta$ 2-adrenergic receptor agonists

IN Griffin, John H.; Moran, Edmund J.; Choi, Seok-Ki

PA Advanced Medicine, Inc., USA

SO PCT Int. Appl., 159 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 31

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964035	A1	19991216	WO 1999-US11804	19990607
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	CA 2318894	AA	19991216	CA 1999-2318894	19990604
	WO 9964031	A1	19991216	WO 1999-US11786	19990604
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	CA 2318192	AA	19991216	CA 1999-2318192	19990607
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	CA 2319068	AA	19991216	CA 1999-2319068	19990607
	CA 2319159	AA	19991216	CA 1999-2319159	19990607
	CA 2319175	AA	19991216	CA 1999-2319175	19990607
	CA 2319496	AA	19991216	CA 1999-2319496	19990607

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CA 2319756	AA	19991216	CA 1999-2319756	19990607
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EP 1085868	A1	20010328	EP 1999-930150	19990608
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		
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